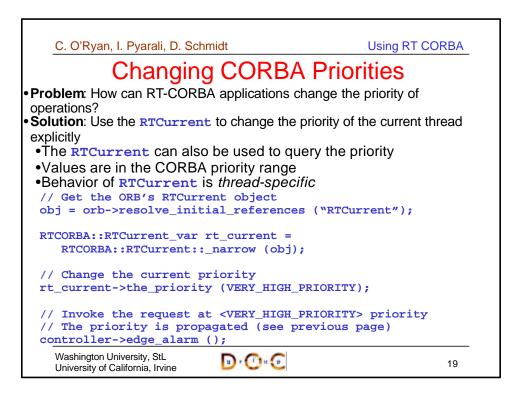
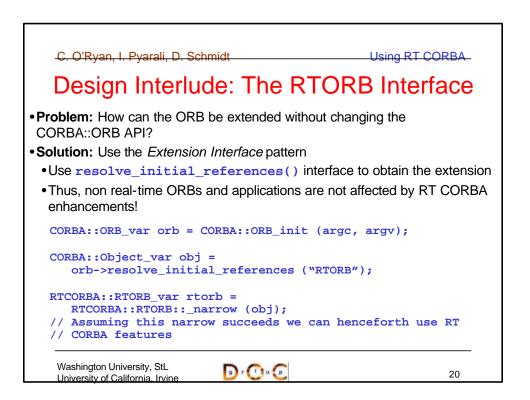
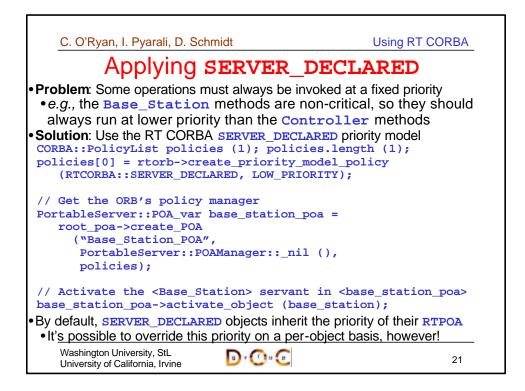
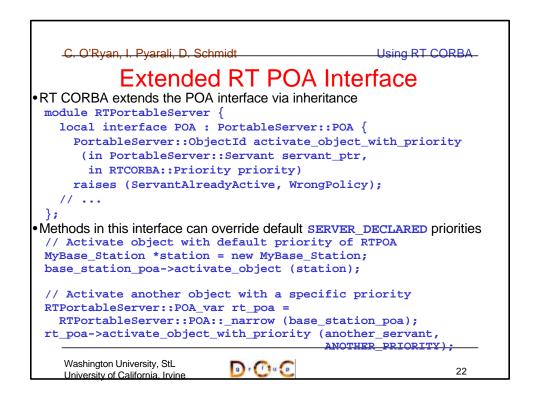


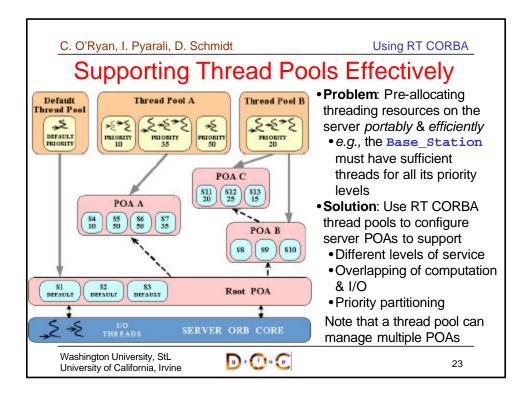
C. O'Ryan, I. Pyarali, D. Schmidt Using RT CORBA			
Applying CLIENT_PROPAGATED Drones send critical messages to Controllers in the Base_Station •edge_alarm() runs at the highest priority in the system •turn_completed() runs at a lower priority in the system			
<pre>CORBA::PolicyList policies (1); policies.length (1); policies[0] = rtorb-&gt;create_priority_model_policy (RTCORBA::CLIENT_PROPAGATED, DEFAULT_PRIORITY /* For non-RT ORBS */);</pre>			
<pre>// Get the ORB's policy manager PortableServer::POA_var controller_poa =    root_poa-&gt;create_POA    ("Controller_POA",       PortableServer::POAManager::_nil (),       policies);</pre>			
<pre>// Activate one Controller servant in <controller_poa> controller_poa-&gt;activate_object (my_controller);</controller_poa></pre>			
• Note that CLIENT_PROPAGATED policy is set on the server & exported to the client along with an object reference			
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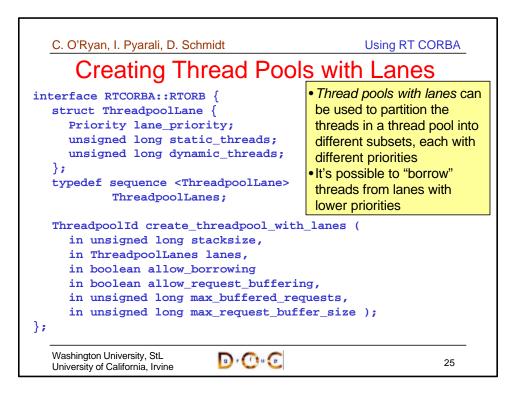


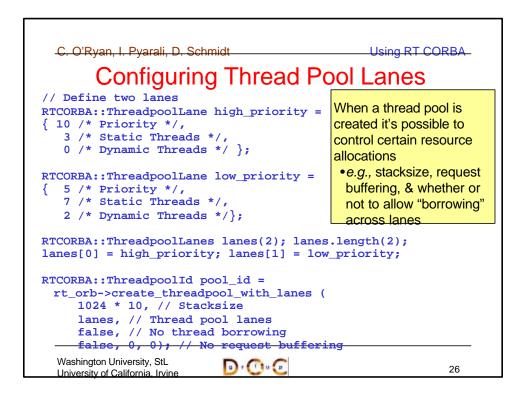


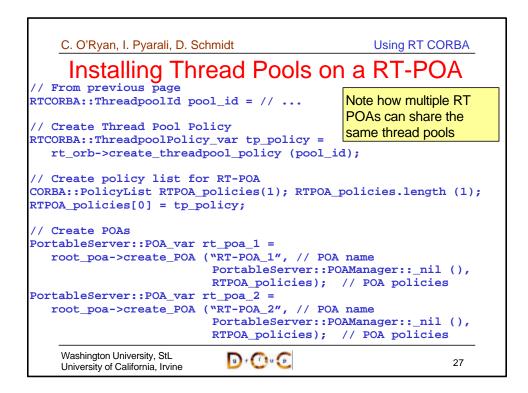


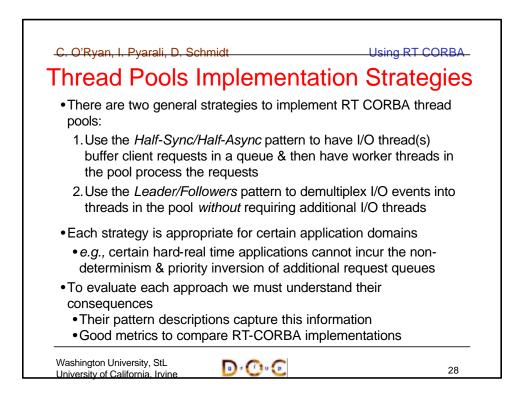


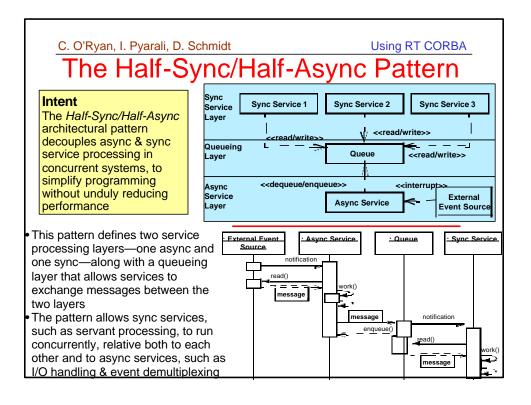
	Creating & Destroying TI	
	<pre>face RTCORBA::RTORB { pedef unsigned long ThreadpoolId;</pre>	There are factory methods for controlling
Th	readpoolId create_threadpool ( in unsigned long stacksize,	the life-cycle of RT- CORBA thread pools
	in unsigned long static_threads, in unsigned long dynamic_threads,	
	in Priority default_priority,	
	in boolean allow_request_buffering	
	in unsigned long max_buffered_required in unsigned long max_request_buffered_required long max_request_buffered_request_buffered_required long max_request_buffered_reque	
vo	<pre>id destroy_threadpool (in Threadpoo raises (InvalidThreadpool);</pre>	olId threadpool)

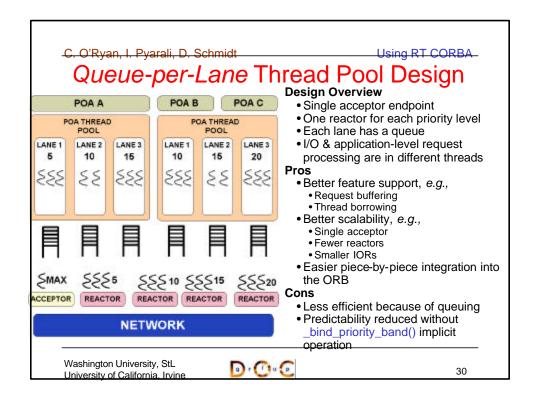


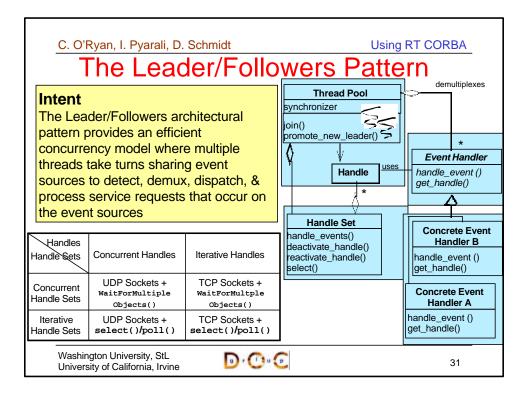


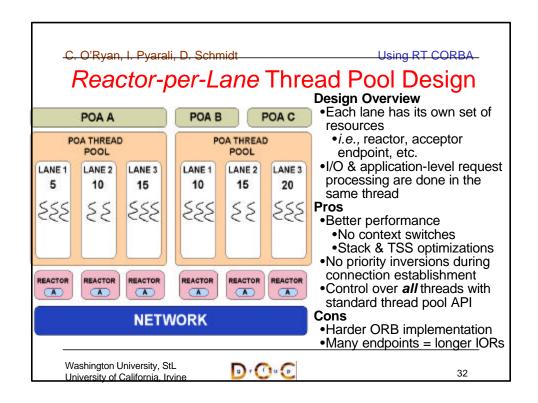


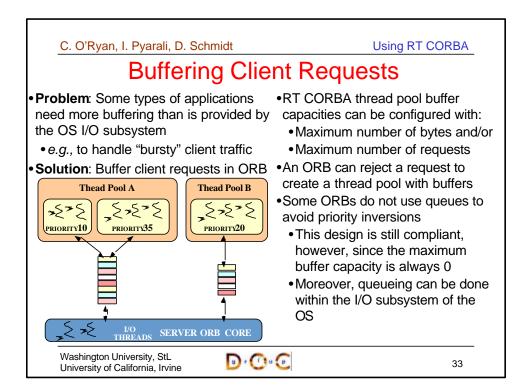


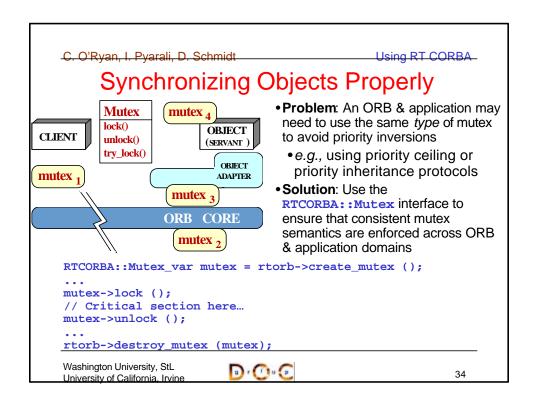


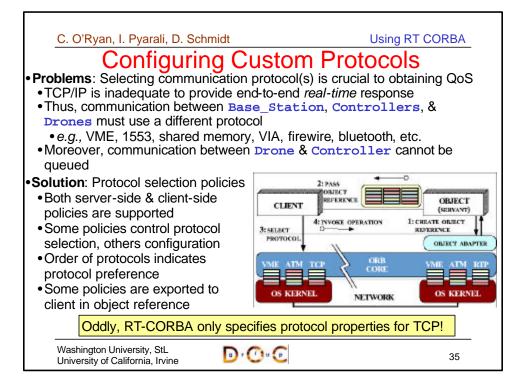












-C. O'Ryan, I. Pyarali, D. Schmidt Using R	T CORBA-
• First, we create the protocol properties	ols
<pre>RTCORBA::ProtocolProperties_var tcp_properties =     rtorb-&gt;create_tcp_protocol_properties (         64 * 1024, /* send buffer */         64 * 1024, /* recv buffer */         false, /* keep alive */         true, /* dont_route */         true /* no_delay */);</pre>	
•Next, we configure the list of protocols to use	
<pre>RTCORBA::ProtocolList plist; plist.length (2); plist[0].protocol_type = MY_PROTOCOL_TAG; // Custom plist[0].trans_protocol_props = /* Use ORB proprietary interface */ plist[1].protocol_type = IOP::TAG_INTERNET_IOP; // I plist[1].trans_protocol_props = tcp_properties; RTCORBA::ClientProtocolPolicy_ptr policy = rtorb-&gt;create_client_protocol_policy (plist);</pre>	-
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